

IDE Antibody

Catalog No: #31087

Package Size: #31087-1 50ul #31087-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	IDE Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total IDE protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a C terminal 300 amino acids of human insulin-degrading enzyme
Target Name	IDE
Other Names	insulin-degrading enzyme, INSULYSIN
Accession No.	Genbank No.: BC096336
Formulation	Supplied at 0.7mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

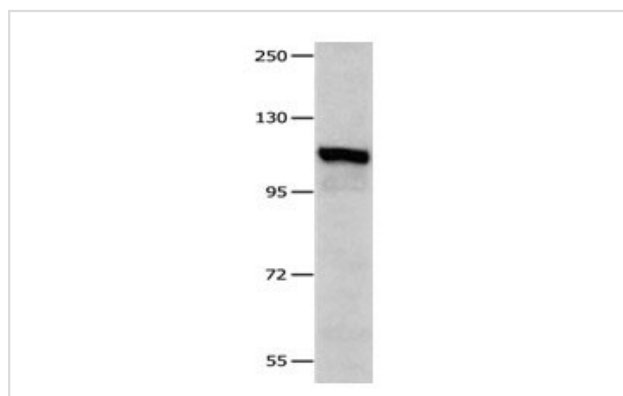
Application Details

Predicted MW: 118kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE
 Lysate: 40 µg K652 cell lysate
 Primary antibody: 1/350 dilution
 Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
 Exposure time: 40 seconds

Background

This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulins activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are

associated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causative for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described but have not been experimentally verified.

Published Papers

et al., Fuzhisan ameliorates A β production and tau phosphorylation in hippocampal of 11 month old APP/PS1 transgenic mice: A Western blot study. In Exp Gerontol on 2016 Nov by Zhao-Xu Zhang, Rui-Ping Zhao, et al.. PMID:27612601, , (2016)

[PMID:27612601](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.